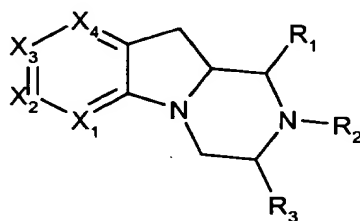


IN THE CLAIMS

C' 1. (Currently Amended) A pharmaceutical composition comprising a chemical compound of formula (I):



(I)

wherein:

R₁ to R₃ are independently selected from hydrogen and lower alkyl;

X₁ is ~~selected from N and C-R₄~~;

X₂ is ~~selected from N and C-R₅~~;

X₃ is ~~selected from N and C-R₆~~;

X₄ is ~~selected from N and C-R₇~~;

R₄, R₅ and R₇ are independently selected from hydrogen, halogen, hydroxy, alkyl, aryl, alkoxy, aryloxy, alkoyl, aryloyl, alkylthio, arylthio, alkylsulfoxyl, arylsulfoxyl, alkylsulfonyl, arylsulfonyl, amino, alkylamino, dialkylamino, nitro, cyano, carboalkoxy, carboaryloxy and carboxy; and

R₆ is selected from hydrogen, halogen, alkyl, aryl, aryloxy, alkylthio, arylthio, alkylsulfoxyl, arylsulfoxyl, alkylsulfonyl, arylsulfonyl, amino, alkylamino, dialkylamino and cyano;

with the proviso that R₄ to R₇ are not all selected as hydrogen,
or a pharmaceutically acceptable salt, or addition compound thereof; in
combination with a pharmaceutically acceptable carrier or ~~excipient~~ excipient.

2. (Currently Amended) A pharmaceutical composition ~~compound~~ according to claim 1, wherein R₁ is selected from hydrogen and methyl.

C' 3. (Currently Amended) A pharmaceutical composition ~~compound~~ according to claim 1, wherein R_2 is hydrogen.

4. (Currently Amended) A pharmaceutical composition ~~compound~~ according to claim 1, wherein R_3 is selected from hydrogen and methyl.

5 - 8. (Cancelled)

9. (Currently Amended) A pharmaceutical composition ~~compound~~ according to claim 1, wherein two of R_4 , R_5 , R_6 and R_7 are hydrogen.

10. (Currently Amended) A pharmaceutical composition ~~compound~~ according to claim 9, wherein R_4 and R_6 are hydrogen.

11. (Currently Amended) A pharmaceutical composition ~~compound~~ according to claim 1, wherein two of R_4 , R_5 , R_6 and R_7 are independently selected from hydrogen, chlorine, fluorine, trifluoromethyl and bromine.

12. (Currently Amended) A pharmaceutical composition ~~compound~~ according to claim 1, wherein three of R_4 , R_5 , R_6 and R_7 are hydrogen.

13. (Currently Amended) A pharmaceutical composition ~~compound~~ according to claim 12, wherein R_4 , R_6 and R_7 are hydrogen.

14. (Currently Amended) A pharmaceutical composition ~~compound~~ according to claim 1, wherein R_4 is hydrogen.

15. (Currently Amended) A pharmaceutical composition ~~compound~~ according to claim 1, wherein R_5 is halogen.

16. (Currently Amended) A pharmaceutical composition ~~compound~~ according to claim 1, wherein R_6 is hydrogen.

17. (Currently Amended) A pharmaceutical composition ~~compound~~ according to claim 1, wherein R_7 is halogen.

18. (Currently Amended) A pharmaceutical composition ~~compound~~ according to claim 1 which is selected from:

C'
 (RS) 7-chloro-1,2,3,4,10,10a-hexahydropyrazino[1,2-a]indole,
 (RS) 9-chloro-1,2,3,4,10,10a-hexahydropyrazino[1,2-a]indole,
 (RS) 7-chloro-8-methyl-1,2,3,4,10,10a-hexahydropyrazino[1,2-a]indole,
 (10aR) 7-chloro-1,2,3,4,10,10a-hexahydropyrazino[1,2-a]indole,
 (RS) 7-bromo-1,2,3,4,10,10a-hexahydropyrazino[1,2-a]indole,
 (3S, 10aR) 8-chloro-2-methyl-1,2,3,4,10,10a-hexahydropyrazino[1,2-a]indole,
 (10aR) 8-chloro-1,2,3,4,10,10a-hexahydropyrazino[1,2-a]indole and
 (3S, 10aR) 8-chloro-2-methyl-1,2,3,4,10,10a-hexahydropyrazino[1,2-a]indole.

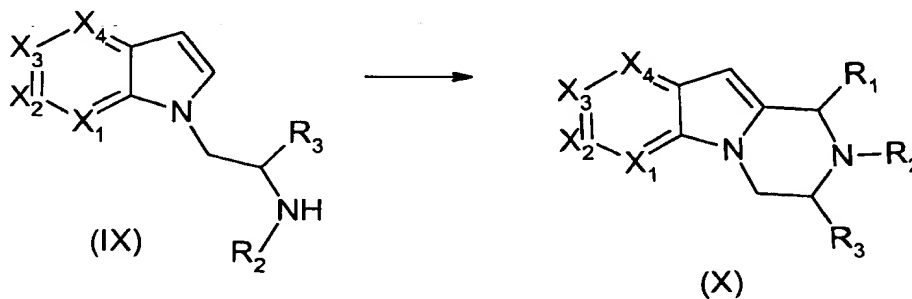
19 – 28. (Cancelled)

29. (Currently Amended) A method of treatment of obesity, comprising administering to a patient in need of such treatment an effective dose of a compound of formula (I) as set out in claim 1. ~~according to claim 21, wherein said disorder is obesity.~~

30 – 33. (Cancelled)

34. (Previously Amended) A process for the preparation of a compound of formula (I) according to claim 1, said process comprising the steps of:

(i) treating a compound of formula (IX) with an aldehyde of formula R, CHO and then exposing to acid to obtain a compound of formula (X), wherein X₁, X₂, X₃, X₄, R₂ and R₃ are as described in claim 1, and



(ii) reduction of a compound of formula (X).